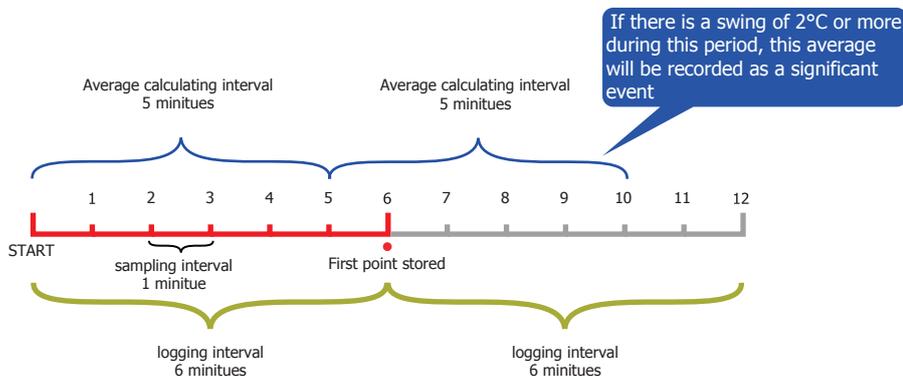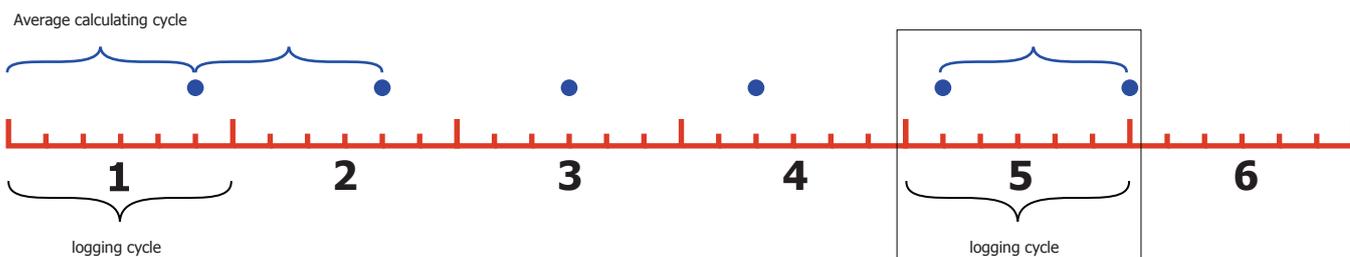## Logging interval, sampling interval and significant events recording

Type TAG07DCA-04 samples every 1 minute, automatically stores a data point every 6 minutes and calculate an average every 5 minutes. If there is a significant temperature swing of 2°C (3.6°F) or more during this 5 minute period, this average will be recorded as a significant event and listed in waring column of data list. In this manner, temperature is recorded every 6 minutes but significant events are recorded as well.

i. Recording and average calculating

ii. Significant event distrbution

In graph ii, blue points represent average of each calculating cycle, logger allocate it a timestamps of last point of every calculating cycle, here we assume these average are all significant event happened.
Notice logging cycle 5, there are 2 significant events falling within this log cycle.

LED indicators

* The "OK" LED flashes every 10sec when labels are always within acceptable temperature range.
* The "RED" LED flashes every 10sec once temperature was over upper limit.(No alarm delay time set)
* The "BLUE" LED flashes every 10sec once temperature was under lower limit. (No alarm delay time set)
* The "OK" and "RED" LEDs flash every 10sec simultaneously when temperature was over upper limit while duration was not over alarm delay time.(Alarm delay time set)
* The "RED" LED flashes every 10sec once the label was exposed to temperature exceeding upper limit over alarm delay time. (Alarm delay time set)
* The "OK" and "BLUE" LEDs flash every 10sec simultaneously when temperature was under lower limit while duration was not over alarm delay time. (Alarm delay time set)
* The "BLUE" LED flashes every 10sec once label was exposed to temperature under upper limit over alarm delay time. (Alarm delay time set)
* All LEDs flash in turn for five times When ITAG-SingleUse is started.
Caution: If the LEDs don't flash after the START-STRIP is torn, please don't use this label to avoid
unnecessary lost to your goods. You could return it back to your resellers or us; we promise you will get a new functional one.

* All LEDs light when ITAG-SingleUse label is connecting to computer.